

SUNTHIN ST-Smartdimmer-2P

SUNTHIN Smart Outdoor Dimmer Instruction Manual

Model: ST-Smartdimmer-2P

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your SUNTHIN Smart Outdoor Dimmer. This device allows you to control and dim outdoor string lights and other dimmable lighting fixtures using Wi-Fi, voice commands via Amazon Alexa or Google Assistant, and a dedicated smartphone application. The dimmer is designed for outdoor use with an IP44 waterproof rating.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or property damage.

- **Electrical Safety:** Ensure the power supply is disconnected before installation or maintenance. Do not exceed the maximum load capacity of 350W for incandescent bulbs or 150W for LED bulbs.
- **Outdoor Use:** The dimmer has an IP44 waterproof rating, making it suitable for outdoor use in various weather conditions. However, avoid submerging the device in water. Ensure all connections are secure and protected from direct water exposure.
- **Compatibility:** Only use with dimmable light fixtures. Non-dimmable lights may not function correctly or could be damaged.
- **Children and Pets:** Keep the device out of reach of children and pets.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- SUNTHIN Smart Outdoor Dimmer (2 units)
- Instruction Manual (this document)

4. PRODUCT OVERVIEW

The SUNTHIN Smart Outdoor Dimmer is a compact, weather-resistant device designed to integrate your outdoor lighting with smart home systems. It features a durable casing and a simple plug-and-play design.



Image 1: Main view of the SUNTHIN Smart Outdoor Dimmer unit.

Key features include:

- **Voice Control:** Compatible with Amazon Alexa and Google Assistant.
- **Wi-Fi Control:** Manage your lights from anywhere using the smartphone app.
- **Dimming Functionality:** Adjust brightness from 1% to 100%.
- **Scheduling:** Create custom schedules for automated on/off and dimming.
- **Group Control:** Control multiple dimmers simultaneously.
- **Durable Design:** IP44 waterproof rating and ABS anti-fire material for outdoor reliability.



Image 2: Diagram illustrating the smart features of the dimmer, including Wi-Fi control, app control, timing, and compatibility with Alexa/Google Home.

5. SETUP

5.1 App Download and Installation

1. Download the "Smart Life" app from the Apple App Store or Google Play Store.
2. Register or log in to your Smart Life account.

5.2 Device Pairing

1. Plug the SUNTHIN Smart Outdoor Dimmer into an outdoor power outlet.
2. Connect your dimmable string lights or other compatible lighting to the dimmer's output.
3. Open the Smart Life app and tap the "+" icon to add a new device.
4. Follow the on-screen instructions to connect the dimmer to your 2.4 GHz Wi-Fi network *Note: The dimmer only supports 2.4 GHz Wi-Fi.*
5. Once successfully paired, you can rename the device for easier control.



Image 3: Remote control of outdoor lighting via the smartphone application.

5.3 Voice Assistant Integration (Optional)

1. For Amazon Alexa:

- Open the Alexa app, go to "Skills & Games", search for "Smart Life", and enable the skill.
- Link your Smart Life account and discover devices.

2. For Google Assistant:

- Open the Google Home app, tap "+" > "Set up device" > "Works with Google".
- Search for "Smart Life", link your account, and assign the dimmer to a room.

6. OPERATING INSTRUCTIONS

6.1 App Control

- **On/Off:** Tap the device icon in the Smart Life app to toggle power.
- **Dimming:** Use the slider in the app interface to adjust brightness from 1% to 100%.
- **Scheduling:** Set timers for automatic on/off or dimming at specific times.
- **Group Control:** Create groups within the app to control multiple SUNTHIN dimmers simultaneously.



Image 4: Example of setting schedules for outdoor lights using the app.

6.2 Voice Control

Once integrated with Amazon Alexa or Google Assistant, use the following commands:

- "Alexa, turn on [Device Name]."
- "Hey Google, turn off [Device Name]."
- "Alexa, set [Device Name] to 50% brightness."
- "Hey Google, dim [Device Name]."



Image 5: Voice control in action, demonstrating interaction with Alexa and Google Home for lighting adjustments.

6.3 Wide Application

The dimmer is suitable for various dimmable lighting types, including:

- Dimmable floor lamps
- Dimmable table lamps
- Dimmable outdoor string lights



Image 6: Visual examples of the dimmer's versatility with different types of dimmable lighting.

7. MAINTENANCE

- **Cleaning:** Disconnect power before cleaning. Wipe the device with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** If storing the dimmer for an extended period, ensure it is clean and dry. Store in a cool, dry place away from direct sunlight.
- **Weather Protection:** While IP44 rated, regular inspection for any damage to the casing or cable is recommended, especially after severe weather.

Wide Application

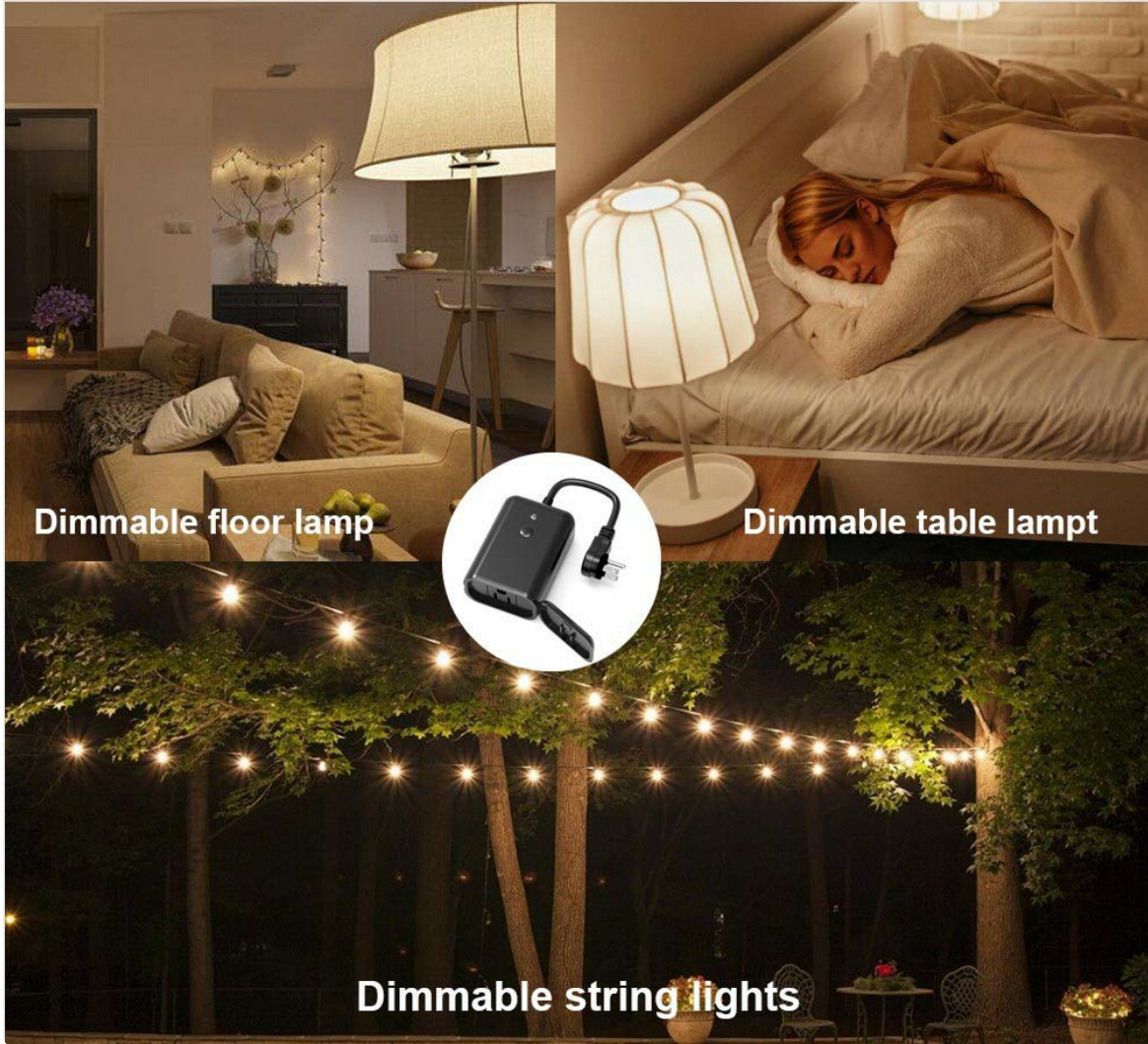


Image 7: The dimmer unit in an outdoor setting, highlighting its IP44 waterproof and durable construction.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not connecting to Wi-Fi	Incorrect Wi-Fi band (not 2.4 GHz), weak signal, incorrect password.	Ensure your router is broadcasting a 2.4 GHz network. Move the dimmer closer to the router. Re-enter Wi-Fi password carefully.
Lights not dimming or turning on/off	Lights are not dimmable, dimmer is overloaded, loose connection, device offline.	Verify your lights are dimmable. Check total wattage does not exceed 350W (incandescent) or 150W (LED). Ensure all cables are securely connected. Check app for device status.
Voice control not working	Incorrect device name, skill not enabled, account not linked.	Verify the device name in your voice assistant app. Ensure the Smart Life skill is enabled and accounts are linked correctly.

Problem	Possible Cause	Solution
Dimmer goes offline frequently	Weak Wi-Fi signal, network interference.	Relocate the dimmer closer to your Wi-Fi router or consider a Wi-Fi extender. Minimize interference from other 2.4 GHz devices.

9. SPECIFICATIONS

- **Brand:** SUNTHIN
- **Model:** ST-Smartdimmer-2P
- **Connectivity:** Wi-Fi (2.4 GHz only)
- **Control Method:** Voice, App
- **Controller Type:** Amazon Alexa, Google Assistant
- **International Protection Rating:** IP44 (Waterproof)
- **Maximum Power (Incandescent):** 350W
- **Maximum Power (LED):** 150W
- **Number of Items:** 2
- **Mounting Type:** Surface Mount

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official SUNTHIN website. Keep your purchase receipt for warranty claims.